



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

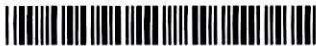
D2230-1
Job Sheet 180263



Part No: D2230-1

Job Qty: 24 ea

Part Name: Mounting Lug



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/4/18

Job Tracking No:

Created By: Chantal Lavoie

Due Date: 8/22/18

Type: Stock

Description:

Note: D2230 REV.G IPP REV:C 18.02.02 REMOVE FINISH DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	24 pcs	8/22/18	8/22/18	0.00	0.00	Purchasing		AUG 16 2018
120	Packaging	24 pcs	8/22/18	8/22/18	0.00	0.00	Packaging2		AUG 16 2018
130	QC	24 pcs	8/22/18	8/22/18	0.00	0.00	QC6		38 AUG 16 2018
180	Packaging	24 pcs	8/22/18	8/22/18	0.00	0.00	Packaging3		21 AUG 21 2018
190	QC21-SA	24 Ea	8/22/18	8/22/18	0.00	0.00	QC21		21 AUG 21 2018

Part Op 110 - Issue P/O to Metec : _____ Manufacture as per dwg C of C is required
Descriptions: 120 - Ensure C of C is attach

PO Details

Metec Metal Technology Inc. (mem001-vc)



PO No: PO040391

Line No: 1

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2230-1P	Lug	24 pcs (1 ea)	110-Purchasing	5102972
D2423	Lug Extrusion	1.6392 ft (.0683 ea)	110-Purchasing	5102980

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D2230-1P	24	0	0
	D2423	2	369	0



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S102981



Part: D2230-1

Job No: 180263

Serial No/Batch: S102981

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 08/16/18

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Mounting Lug	4.450Inches ± 0.010	4.460 4.440		
2	Mounting Lug	0.306Inches ± 0.010	0.316 0.296		
3	Mounting Lug	0.345Inches ± 0.010	0.355 0.335		
4	Mounting Lug	0.400Inches ± 0.010	0.410 0.390		
5	Mounting Lug	0.250Inches ± 0.010	0.260 0.240		
6	Mounting Lug	3.700Inches ± 0.010	3.710 3.690		
7	Mounting Lug	0.750Inches ± 0.010	0.760 0.740		
8	Mounting Lug	0.257Inches + 0.005 - 0.000	0.262 0.257	Diameter	
9	Mounting Lug	1.910Inches ± 0.010	1.920 1.900		
10	Mounting Lug	1.200Inches ± 0.010	1.210 1.190	Radius	
11	Mounting Lug	0.375Inches ± 0.010	0.385 0.365		
12	Mounting Lug	0.273Inches ± 0.010	0.283 0.263		

Plex 8/15/18 2:19 PM dart.belanger.natasha



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1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

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D2230-1

Job Sheet 180263



Part No: D2230-1

Job Qty: 100 ea

Part Name: Mounting Lug



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/4/18

Job Tracking No:

Due Date: 8/22/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: D2230 REV.G IPP REV:C 18.02.02 REMOVE FINISH DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	100 pcs		8/22/18	0.00	0.00	Purchasing		
120	Packaging	100 pcs		8/22/18	0.00	0.00	Packaging2		
130	QC	100 pcs		8/22/18	0.00	0.00	QC6		
180	Packaging	100 pcs		8/22/18	0.00	0.00	Packaging3		
190	QC21-SA	100 Ea		8/22/18	0.00	0.00	QC21		

Part Op 110 - Issue P/O to Metec : 8040391 Manufacture as per dwg C of C is required
Descriptions: 120 - Ensure C of C is attach

p.08

JUL 0 4 2018

Job BOM

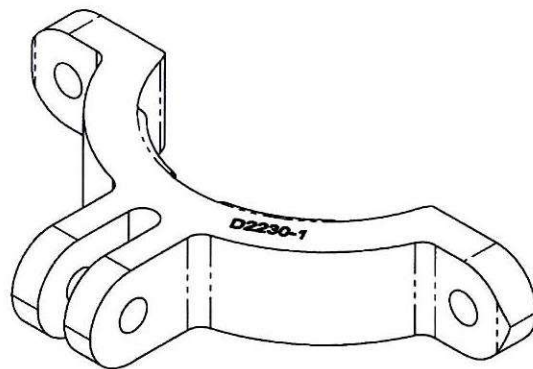
Part / Item	Component Name	Quantity	Operation	Container
D2230-1P	Lug	100 pcs (1 ea)	110-Purchasing	
D2423	Lug Extrusion	6.8300 ft (.0683 ea)	110-Purchasing	

Job Allocations

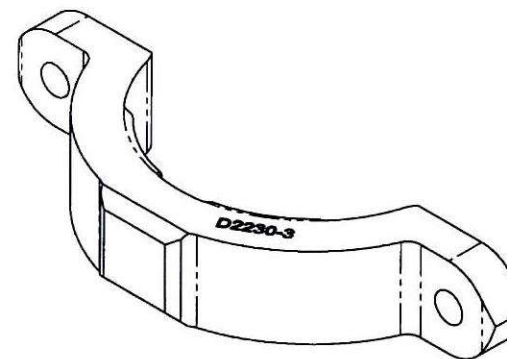
Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D2230-1P	100	0	0
	D2423	7	53	0

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Mounting Lug	4.450Inches $\pm$ 0.010	4.460 4.440		
2	Mounting Lug	0.306Inches $\pm$ 0.010	0.316 0.296		
3	Mounting Lug	0.345Inches $\pm$ 0.010	0.355 0.335		
4	Mounting Lug	0.400Inches $\pm$ 0.010	0.410 0.390		
5	Mounting Lug	0.250Inches $\pm$ 0.010	0.260 0.240		
6	Mounting Lug	3.700Inches $\pm$ 0.010	3.710 3.690		
7	Mounting Lug	0.750Inches $\pm$ 0.010	0.760 0.740		
8	Mounting Lug	0.257Inches + 0.005 - 0.000	0.262 0.257	Diameter	
9	Mounting Lug	1.910Inches $\pm$ 0.010	1.920 1.900		
10	Mounting Lug	1.200Inches $\pm$ 0.010	1.210 1.190	Radius	
11	Mounting Lug	0.375Inches $\pm$ 0.010	0.385 0.365		
12	Mounting Lug	0.273Inches $\pm$ 0.010	0.283 0.263		

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D2230-1 MOUNTING LUG



D2230-3 MOUNTING LUG

RELEASED
9/16/15



NOTES:

- 1) MATERIAL: MAKE FROM D2423 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO A DEPTH OF 0.010 ± 0.005 IN THIS LOCATION, WITH TOOL TIP RADIUS OF 0.015 ± 0.005.
- 7) WEIGHT: -1: 0.16 lbs
-3: 0.14 lbs

G	REDRAWN IN SOLIDWORKS TO CURRENT DESIGN STANDARDS. REFER TO SECTION A-A & B-B FILLET ADDED TO PREVENT CHAFING OF RUBBER CUSHION ON INSTALLATION.	AJS	09.01.16
F	REDESIGN; R1.200 WAS 1.100	CP	99.12.13
E	RE-DESIGN	BW	95.01.04
D	RE-DESIGN	BW	95.01.04
C	RE-DESIGN	BW	94.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2230	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.16	COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

D

C

B

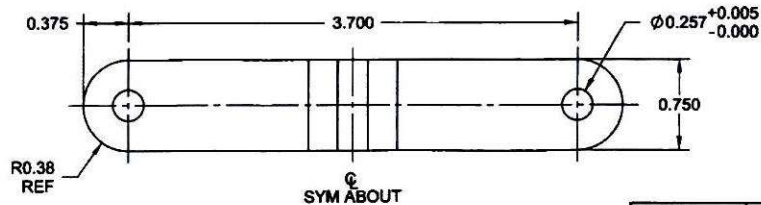
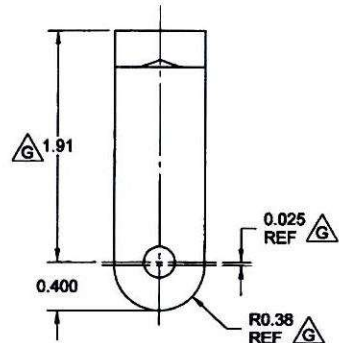
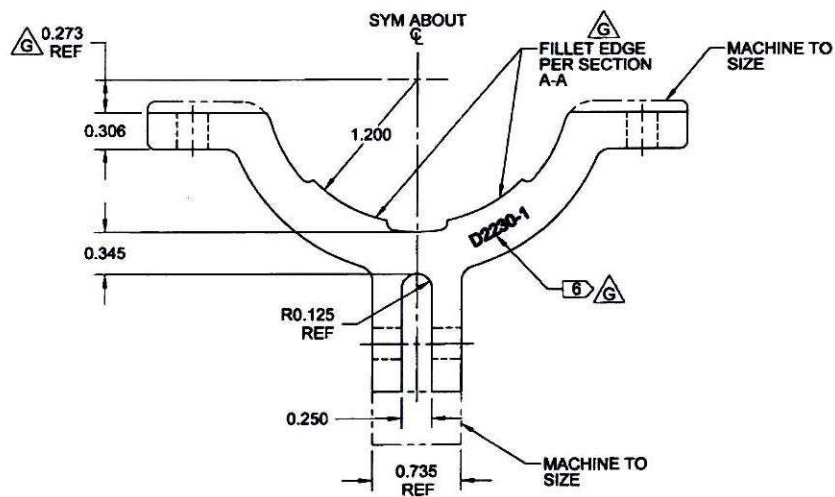
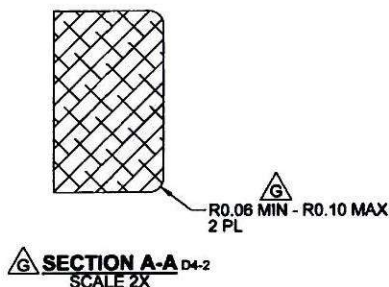
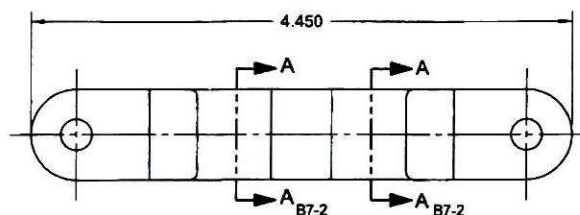
A

D

C

B

A

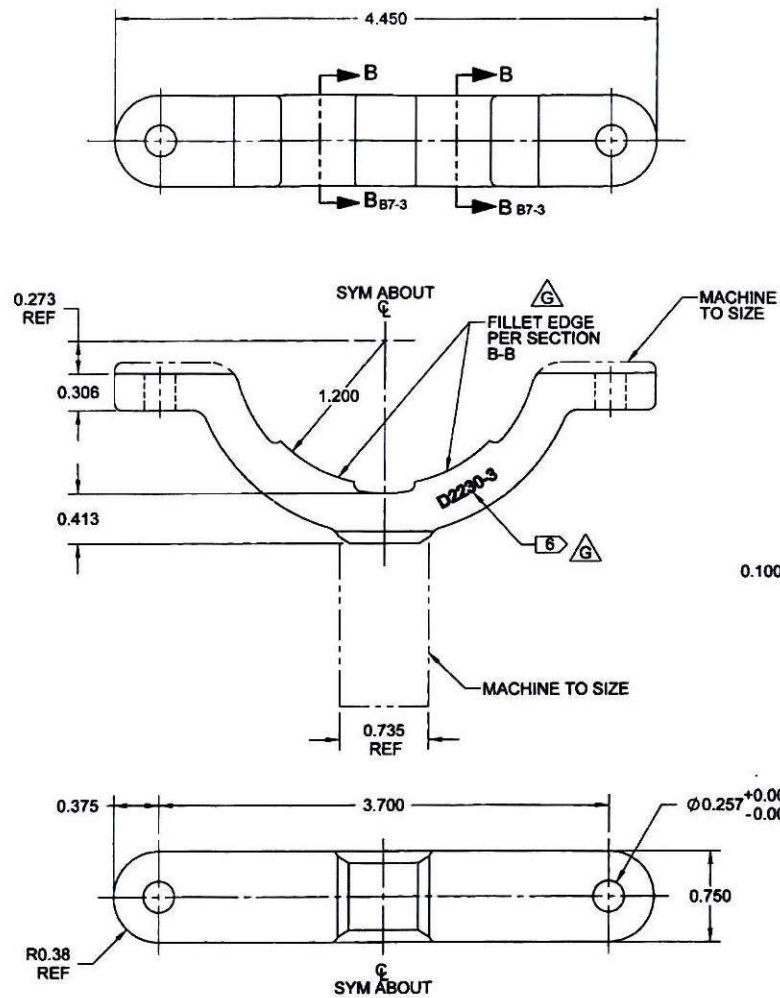
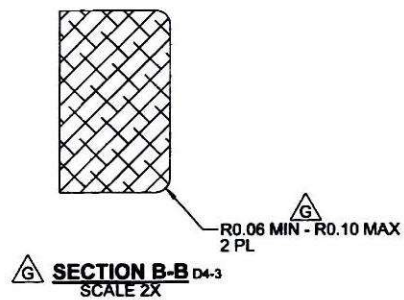


D2230-1 MOUNTING LUG

RELEASED
09/06/75

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2230	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
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8 7 6 5 4 3 2 1



D2230-3 MOUNTING LUG

RELEASED
01/06/2010

DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2230	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.16	COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040391**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040391

PO Date: 7/4/18

Due Date: 8/20/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

Revision

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	180263	D2230-1P	X38	61	Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI 005	Firmed	-	8/20/18	100 pcs	0 pcs	100 pcs	\$17.40/pcs	\$1,740.00
2	180266	D2230-3P	X38	61	Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI005	Firmed	-	8/20/18	100 pcs	0 pcs	100 pcs	\$14.90/pcs	\$1,490.00
3	180269	D2731-3P	X38	61	Lug As Per Dwg D2731 Rev.C	Firmed	-	8/20/18	30 pcs	0 pcs	30 pcs	\$16.20/pcs	\$486.00
4	180272	D3394-1P	X38	61	Lug As Per Dwg D3394 Rev. B	Firmed	-	8/20/18	30 pcs	0 pcs	30 pcs	\$20.45/pcs	\$613.50
5	180273	D3910-1P	X38	61	Crosstube Lug As Per Dwg D3910 Rev. E Alodine and Paint as pe QSI 005	Firmed	-	8/20/18	20 pcs	0 pcs	20 pcs	\$17.40/pcs	\$348.00
6	180275	D3910-3P	X38	61	Crosstube Lug As Per Dwg D3910 Rev. E Alodine and Paint as Per QSI 005	Firmed	-	8/20/18	20 pcs	0 pcs	20 pcs	\$17.40/pcs	\$348.00
7	180277	D3910-7P	X38	61	Crosstube Lug As Per Dwg. D3910 Rev. E Alodine and Paint as Per QSI 005	Firmed	-	8/20/18	20 pcs	0 pcs	20 pcs	\$17.40/pcs	\$348.00

Plex 7/10/18 9:11 AM dart.Lussier.Patrick

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Grand Total:													\$5,373.50
Order Notes													
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation. Procurement Quality Clauses A005 RIGHT OF ENTRY A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER) A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE) A026 CERTIFICATION OF MATERIAL CONFORMANCE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM A049 SUPPLIER AWARENESS													

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**METAL TECHNOLOGY INC.**

20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 22853

Date: Aug 15, 2018

Page: 1

Sold to:	Ship to:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: PO040391 NC	Sold By: Walz, Christian D.
Shipped By: pick up	Ship Date: Aug 15, 2018

Description	Bin Loc	Unit	Quantity ordered	Quantity shipped	Quantity on B/O
D2230-1 Mounting Lug 62 in stock alodined and painted as per QSI 005		Each	100	62 ✓	38
D2230-3 Mounting Lug no stock alodined and painted as per QSI 005		Each	100		100
D2731-3 Mounting Lug in stock alodined and painted as per QSI 005		Each	30	32 ✓	
D3394-1 Lug in stock alodined and painted as per QSI 005		Each	30	30 ✓	
D3910-1 Crosstube Lug in stock alodined and painted as per QSI 005		Each	20	20 ✓	
D3910-3 Crosstube Lug no stock alodined and painted as per QSI 005		Each	20		20
D3910-7 Crosstube Lug in stock alodined and painted as per QSI 005		Each	20	20 ✓	
The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.					
Received by _____			Thank you for your order!		



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Material Batch #	Paint Batch #	P.O. Number
30	D3394-1	Lug	115529	21778	40391
20	D3910-7	Crosstube Lug	131451	20366	40391
20	D3910-1	Crosstube Lug	160522	22006	40391
32	D2731-3	Lug	127892	20082	40391
62	D2230-1	Mounting Lug	160522	21965	40391

MATERIAL: supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, August 15, 2018